

12th International Conference on Computational Semantics (IWCS 2017)

Short Papers

Montpellier, France
19 – 22 September 2017

Editors:

**Claire Gardent
Christian Retore**

ISBN: 978-1-5108-5283-9

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2017) by the Association for Computational Linguistics
All rights reserved.

Printed by Curran Associates, Inc. (2017)

For permission requests, please contact the Association for Computational Linguistics
at the address below.

Association for Computational Linguistics
209 N. Eighth Street
Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006
Fax: 1-570-476-0860

acl@aclweb.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Contents of IWCS 2017 short papers (available on ACL Anthology)

1.	W17-6901: Lasha Abzianidze; Johan Bos Towards Universal Semantic Tagging	1
2.	W17-6902: Eckhard Bick Propbank Annotation of Danish Noun Frames	10
3.	W17-6903: Yuri Bizzoni; Shalom Lappin Deep Learning of Binary and Gradient Judgements for Semantic Paraphrase	16
4.	W17-6904: Gemma Boleda; Sebastian Padó; Nghia The Pham; Marco Baroni Living a discrete life in a continuous world: Reference in cross-modal entity tracking	25
5.	W17-6905: Johan Bos Indexicals and Compositionality: Inside-Out or Outside-In?	34
6.	W17-6906: Rodolfo Delmonte; Giulia Marchesini A Semantically-Based Computational Approach to Narrative Structure	40
7.	W17-6907: Maria Di Maro; Marco Valentino; Anna Riccio; Antonio Origlia Graph Databases for Designing High-Performance Speech Recognition Grammars	50
8.	W17-6908: Emmanuelle Dusserre; Muntsa Padró Bigger does not mean better! We prefer specificity	59
9.	W17-6909: Tobias Falke; Iryna Gurevych Utilizing Automatic Predicate-Argument Analysis for Concept Map Mining	65
10.	W17-6910: Diego Frassinelli; Daniela Naumann; Jason Utt; Sabine Schulte Im Walde Contextual Characteristics of Concrete and Abstract Words	75
11.	W17-6911: Remus Gergel; Martin Kopf-Giammanco; Julia Masloh Surprisal and Satisfaction: Towards an Information-theoretic Characterization of Presuppositions with a Diachronic Application	82
12.	W17-6912: Mika Hasegawa; Tetsunori Kobayashi; Yoshihiko Hayashi Incorporating visual features into word embeddings: A bimodal autoencoder-based approach	92
13.	W17-6913: Christine Howes; Arash Eshghi Feedback relevance spaces: The organisation of increments in conversation	101
14.	W17-6914: Laura Kallmeyer; Rainer Osswald Modeling Quantification with Polysemous Nouns	109
15.	W17-6915: Aikaterini-Lida Kalouli; Livy Real; Valeria de Paiva Textual Inference: getting logic from humans	118
16.	W17-6916: Fahad Khan; Jack Bowers; Francesca Frontini Situating Word Senses in their Historical Context with Linked Data	125
17.	W17-6917: Manfred Klenner An Object-oriented Model of Role Framing and Attitude Prediction	134
18.	W17-6918: Marcus Kracht; Yousuf Aboamer Argument Structure and Referent Systems	140
19.	W17-6919: Nikhil Krishnaswamy; Pradyumna Narayana; Isaac Wang; Kyeongmin Rim; Rahul Bangar; Dhruva Patil; Gururaj Mulay; Ross Beveridge; Jaime Ruiz; Bruce Draper; James Pustejovsky Communicating and Acting: Understanding Gesture in Simulation Semantics	149
20.	W17-6920: Mathieu Lafourcade; Nathalie Le Brun Ambiguss, a game for building a Sense Annotated Corpus for French	160
21.	W17-6921: Matthew Lamm; Mihail Eric The Pragmatics of Indirect Commands in Collaborative Discourse	167
22.	W17-6922: Gabriella Lapesa; Sebastian Pado; Tillmann Pross; Antje Rossdeutscher Are doggies really nicer than dogs? The impact of morphological derivation on emotional valence in German	174
23.	W17-6923: Staffan Larsson Compositionality for perceptual classification	181
24.	W17-6924: Dandan Li; Douglas Summers-Stay Dual Embeddings and Metrics for Relational Similarity	188
25.	W17-6925: Yuliya Lierler; Daniela Inclezan; Michael Gelfond Action Languages and Question Answering	195
26.	W17-6926: Nicklas Linz; Johannes Tröger; Jan Alexandersson; Alexandra König Using Neural Word Embeddings in the Analysis of the Clinical Semantic Verbal Fluency Task	205
27.	W17-6927: Eugenio Martínez-Cámara; Vered Shwartz; Iryna Gurevych; Ido Dagan Neural Disambiguation of Causal Lexical Markers Based on Context	212
28.	W17-6928: Mariia Melymuka; Gabriella Lapesa; Max Kisselew; Sebastian Pado Modeling Derivational Morphology in Ukrainian	222
29.	W17-6929: Akira Miyazawa; Yusuke Miyao Evaluation Metrics for Automatically Generated Metaphorical Expressions	229
30.	W17-6930: Paul Nulty Network Visualisations for Exploring Political Concepts	238
31.	W17-6931: Dieke Oele; Gertjan Van Noord Distributional Lesk: Effective Knowledge-Based Word Sense Disambiguation	248
32.	W17-6932: Wiebke Petersen; Oliver Hellwig Unsupervised Induction of Compositional Types for English Adjective-Noun Pairs	256
33.	W17-6933: Martin Riedl; Chris Biemann There's no 'Count or Predict' but task-based \selection for distributional models	264
34.	W17-6934: Michael Roth Role Semantics for Better Models of Implicit Discourse Relations	273
35.	W17-6935: Andreas Rücklé; Iryna Gurevych Representation Learning for Answer Selection with LSTM-Based Importance Weighting	281
36.	W17-6936: Rachel Rudinger; Kevin Duh; Benjamin Van Durme Skip-Prop: Representing Sentences with One Vector Per Proposition	291
37.	W17-6937: Shota Sasaki; Sho Takase; Naoya Inoue; Naoaki Okazaki; Kentaro Inui Handling Multiword Expressions in Causality Estimation	298
38.	W17-6938: Ravi Shekhar; Sandro Pezzelle; Aurelie Herbelot; Moin Nabi; Enver Sangineto; Raffaella Bernardi Vision and Language Integration: Moving beyond Objects	304
39.	W17-6939: David Addison Smith; Sandro Pezzelle; Francesca Franzon; Chiara Zanini; Raffaella Bernardi Can You See the (Linguistic) Difference? Exploring Mass/Count Distinction in Vision	310
40.	W17-6940: Loïc Vial; Benjamin Lecouteux; Didier Schwab Sense Embeddings in Knowledge-Based Word Sense Disambiguation	318
41.	W17-6941: Rodrigo Wilkens; Leonardo Zilio; Silvio Ricardo Cordeiro; Felipe Paula; Carlos Ramisch; Marco Idiart; Aline Villavicencio LexSubNC: A Dataset of Lexical Substitution for Nominal Compounds	325
42.	W17-6942: Moritz Wittmann; Maximilian Köper; Sabine Schulte Im Walde Exploring Soft-Clustering for German (Particle) Verbs across Frequency Ranges	333
43.	W17-6943: Wlodek Zadrozny; Hossein Hematizadeh; Luciana Garbayo Towards Semantic Modeling of Contradictions and Disagreements: A Case Study of Medical Guidelines	343
44.	W17-6944: Sheng Zhang; Rachel Rudinger; Benjamin Van Durme A Large-scale Evaluation of PredPatt against PropBank	349